

STN SEARCH SUMMARY
10/616309

=> d his

(FILE 'HOME' ENTERED AT 16:04:53 ON 02 MAY 2005)

FILE 'CAPLUS' ENTERED AT 16:05:02 ON 02 MAY 2005

L1 22 S RSEB
L2 9 S SIGMAE (S) (BIND OR INTERACT? OR REGULAT?)
L3 2 S L1 AND L2
L4 29 S L1 OR L2
L5 10 S L4 AND PD<2002
L6 84 S THRABC OR (ASPARTATE KINASE AND DEHYDROGENASE AND
KINASE AND
L7 5 S L4 AND L6
L8 0 S L7 AND PD<2002
L9 0 S L7 AND PD<2003
L10 14 S L4 AND PD<20020710
L11 0 L10 AND (PYC OR PYRUVATE CARBOXYLASE)
L12 0 L10 AND (PPS OR PHOSPHOENOL PYRUVATE SYNTHASE)
L13 1 L10 AND (PPC OR PHOPHOENOL PYRUVATE CAYBOXYLASE)

L5 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:745436 CAPLUS

DN 136:304957

TI Influence of the yihE Gene of Shigella flexneri on Global Gene
Expression:

On Analysis Using DNA Arrays

AU Li, Ming-Shi; Kroll, J. Simon; Yu, Jun

CS Molecular Infectious Diseases Group, Department of Paediatrics,
Faculty of

Medicine, Imperial College St. Mary's Campus, London, W2 1PG, UK

SO Biochemical and Biophysical Research Communications (2001),
288(1), 91-100

CODEN: BBRCA9; ISSN: 0006-291X

PB Academic Press

DT Journal

LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 15 1-10

L5 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:745436 CAPLUS

DN 136:304957

TI Influence of the yihE Gene of Shigella flexneri on Global Gene
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AU Li, Ming-Shi; Kroll, J. Simon; Yu, Jun

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SO Biochemical and Biophysical Research Communications (2001),
288(1), 91-100
CODEN: BBRCA9; ISSN: 0006-291X
PB Academic Press
DT Journal
LA English
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

not over-x
L5 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2000:788060 CAPLUS
DN 134:96861
TI RseB binding to the periplasmic domain of RseA modulates the
RseA:<SYM115>E interaction in the cytoplasm and the availability
of
<SYM115>E-RNA polymerase
AU Collinet, Bruno; Yuzawa, Harumi; Chen, Thomas; Herrera, Christian;
Missiakas, Dominique
CS Department of Microbiology, Immunology & Molecular Genetics,
University of
California at Los Angeles, Los Angeles, CA, 90095, USA
SO Journal of Biological Chemistry (2000), 275(43), 33898-33904
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

X
L5 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1997:677577 CAPLUS
DN 127:342597
TI Evidence that rseC, a gene in the rpoE cluster, has a role in
thiamin
synthesis in Salmonella typhimurium
AU Beck, Brian J.; Connolly, Lynn E.; De Las Penas, Alejandro; Downs,
Diana
M.
CS Department of Bacteriology, University of Wisconsin-Madison,
Madison, WI,
53706, USA
SO Journal of Bacteriology (1997), 179(20), 6504-6508
CODEN: JOBAA; ISSN: 0021-9193
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

X
L5 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1997:320047 CAPLUS
DN 127:47530
TI The <SYM115>E-mediated response to extracytoplasmic stress in
Escherichia
coli is transduced by RseA and RseB, two negative regulators of
<SYM115>E
AU De Las Penas, Alejandro; Connolly, Lynn; Gross, Carol A.

CS Department of Bacteriology, University of Wisconsin-Madison,
Madison, WI,
53706, USA

SO Molecular Microbiology (1997), 24(2), 373-385
CODEN: MOMIEE; ISSN: 0950-382X

PB Blackwell

DT Journal

LA English

RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:320046 CAPLUS

DN 127:14060

TI Modulation of the Escherichia coli <SYM115>E (RpoE) heat-shock
transcription-factor activity by the RseA, RseB and RseC
proteins

X AU Missiakas, Dominique; Mayer, Matthias P.; Lemaire, Marc;
Georgopoulos,
Costa; Raina, Satish

CS Centre National de Recherche Scientifique, LIDSM, Marseille,
13402, Fr.

SO Molecular Microbiology (1997), 24(2), 355-371
CODEN: MOMIEE; ISSN: 0950-382X

PB Blackwell

DT Journal

LA English

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1995:560721 CAPLUS

DN 123:135031

TI The rpoE gene of Escherichia coli, which encodes <SYM115>E, is
essential
for bacterial growth at high temperature

X AU Hiratsu, Keiichiro; Amemura, Mitsuko; Nashimoto, Hiroko;
Shinagawa, Hideo;
Makino, Kozo

CS Dep. Mol. Microbiol., Osaka Univ., Suita, 565, Japan

SO Journal of Bacteriology (1995), 177(10), 2918-22
CODEN: JOBAAAY; ISSN: 0021-9193

PB American Society for Microbiology

DT Journal

LA English

L5 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1993:619087 CAPLUS

DN 119:219087

X TI rseB, a chromosomal locus that affects the stability of a
temperature-specific surface protein mRNA in Tetrahymena
thermophila

AU McMillan, Pamela J.; Tondravi, M. Merhdad; Bannon, Gary A.

CS Dep. Biochem. Mol. Biol., Univ. Arkansas Med. Sci., Little Rock,
AR,
72205, USA

SO Nucleic Acids Research (1993), 21(18), 4356-62

CODEN: NARHAD; ISSN: 0305-1048

DT Journal
LA English

L5 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1993:33882 CAPLUS

DN 118:33882

TI Genetic suppression analysis of <SYM115>E interaction with these promoters

in sporulating *Bacillus subtilis*

AU Deiderich, Bettina; Tatti, Kathleen M.; Jones, C. Hal; Beall, Bernard;

Moran, Charles P., Jr.

CS Sch. Med., Emory Univ., Atlanta, GA, 30322, USA

SO Gene (1992), 121(1), 63-9

CODEN: GENED6; ISSN: 0378-1119

DT Journal

LA English

L5 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1992:145359 CAPLUS

DN 116:145359

TI Multiple effects of mutation on expression of alternative cell surface

protein genes in *Tetrahymena thermophila*

AU Smith, Deborah L.; Doerder, F. P.

CS Dep. Biol., Cleveland State Univ., Cleveland, OH, 44115, USA

SO Genetics (1992), 130(1), 97-104

CODEN: GENTAE; ISSN: 0016-6731

DT Journal

LA English

L5 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1992:103930 CAPLUS

DN 116:103930

TI Localization of the immunologic activity in the superantigen staphylococcal enterotoxin B using truncated recombinant fusion proteins

AU Buelow, Roland; O'Hehir, Robyn E.; Schreifels, Robert; Kummerehl, Tammy

J.; Riley, Greta; Lamb, Jonathan R.

CS ImmuLogic Pharm. Corp., Palo Alto, CA, 94304, USA

SO Journal of Immunology (1992), 148(1), 1-6

CODEN: JOIMA3; ISSN: 0022-1767

DT Journal

LA English

=> d 15 1 abs

L5 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AB Inactivation of dsbA (disulfide bond formation), either by an insertion

(Sh4, dsbA::kan) or by alteration of the active site (Sh42, dsbA33G),

renders *Shigella flexneri* avirulent. However, Sh4 and Sh42 behave differently in many ways in vitro and in vivo. A gene of unknown

function, yihE, up-stream and cotranscribed with dsbA, is thought to differentiate Sh4 and Sh42 as the kan insertion may result in a truncated unstable yihE-dsbA mRNA in Sh4. To gain insight into the function of yihE, DNA array hybridization was performed to study the genomic expression in Sh4, Sh42, and a newly constructed yihE mutant (Sh54). Compared to the wild-type, M90TS, Sh4, and Sh54 demonstrated significantly changed transcription levels of about 100 genes, of which many involved in energy metabolism and stress response were down- and up-regulated, resp. In contrast, Sh42 showed altered transcription levels of only 20 genes. The results argue that yihE is principally responsible for the changed genomic expression in Sh4 and Sh54. Given the fact that the transcription of yihE-dsbA is regulated by the CpxRA two-component signal transduction system, yihE is probably involved in the extracytoplasmic stress response in a manner deserving further studies. (c) 2001 Academic Press.

=> d 15 10 abs

L5 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
 AB The exotoxins of certain strains of Staphylococcus aureus strains are able both to stimulate potent proliferation and induce anergy in T lymphocytes expressing the appropriate T cell antigen (Ag) receptor V<SYM98> gene elements. Although T cell activation by the S. aureus enterotoxins requires the presence of accessory cells bearing class II Ag of the MHC, unlike the peptide fragments of nominal Ag, they contact the external surfaces of both the class II MHC and TCR mols. This paper investigated the immunol. active domains of S. aureus enterotoxin B (SEB) using truncated fragments of rSEB expressed as a fusion protein with protein A. Evidently the minimal fragment of SEB able to stimulate and induce anergy in hemagglutinin-reactive human T cells expressing V<SYM98>3.1 gene elements is located in the N-terminal portion of the mol. within residues 1-138. Deletion of the first 30 amino acid residues renders rSEB unable to stimulate T cells expressing V<SYM98>3.1, whereas polyclonal T cells still respond to this mol. This implies that

the stimulation of several TCR-V<SYM98> families may be caused by the interaction with different regions of the toxin. The localization of immunol. active sites in the bacterial enterotoxins is needed to investigate both their biol. and potential application as immunomodulatory agents.

=> d 110 1-4

X
L10 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:455979 CAPLUS
DN 137:289750
TI A signal transduction system in Streptomyces coelicolor that activates the expression of a putative cell wall glycan operon in response to vancomycin and other cell wall-specific antibiotics
AU Hong, Hee-Jeon; Paget, Mark S. B.; Buttner, Mark J.
CS Department of Molecular Microbiology, John Innes Centre, Norwich, NR4 7UH, UK
SO Molecular Microbiology (2002), 44(5), 1199-1211
CODEN: MOMIEE; ISSN: 0950-382X
PB Blackwell Science Ltd.
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

wrong protein
L10 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:138609 CAPLUS
DN 136:368480
TI Production and purification of a recombinant Staphylococcal enterotoxin B vaccine candidate expressed in Escherichia coli
AU Coffman, J. Daniel; Zhu, Jianwei; Roach, John M.; Bavari, Sina; Ulrich, Robert G.; Giardina, Steven L.
CS Biopharmaceutical Development Program, SAIC Frederick, National Cancer Institute of Frederick, Frederick, MD, 21702-1201, USA
SO Protein Expression and Purification (2002), 24(2), 302-312
CODEN: PEXPEJ; ISSN: 1046-5928
PB Academic Press
DT Journal
LA English
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

X
L10 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:121138 CAPLUS
DN 137:104513

TI A genome-scale analysis for identification of genes required for growth or survival of Haemophilus influenzae
AU Akerley, Brian J.; Rubin, Eric J.; Novick, Veronica L.; Amaya, Kensey;
Judson, Nicholas; Mekalanos, John J.
CS Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor, MI, 48109, USA
SO Proceedings of the National Academy of Sciences of the United States of America (2002), 99(2), 966-971
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:87798 CAPLUS
DN 136:246232
TI The extracytoplasmic sigma factor, <SYM115>E, is required for intracellular survival of nontypeable Haemophilus influenzae in J774 macrophages
AU Craig, Jane E.; Nobbs, Angela; High, Nicola J.
CS School of Biological Sciences, University of Manchester, Manchester, M13 9PT, UK
SO Infection and Immunity (2002), 70(2), 708-715
CODEN: INFIBR; ISSN: 0019-9567
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 113

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:121138 CAPLUS
DN 137:104513
TI A genome-scale analysis for identification of genes required for growth or survival of Haemophilus influenzae
AU Akerley, Brian J.; Rubin, Eric J.; Novick, Veronica L.; Amaya, Kensey;
Judson, Nicholas; Mekalanos, John J.
CS Department of Microbiology and Immunology, University of Michigan Medical School, Ann Arbor, MI, 48109, USA
SO Proceedings of the National Academy of Sciences of the United States of America (2002), 99(2), 966-971
CODEN: PNASA6; ISSN: 0027-8424

PB National Academy of Sciences

DT Journal

LA English

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 113 abs

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AB A high-d. transposon mutagenesis strategy was applied to the
Haemophilus
influenzae genome to identify genes required for growth or
viability.

This anal. detected putative essential roles for the products of
259 ORFs
of unknown function. Comparisons between complete genomes defined
a

subset of these proteins in H. influenzae having homologs in
Mycobacterium

tuberculosis that are absent in Saccharomyces cerevisiae, a
distribution

pattern that favors their use in development of antimicrobial
therapeutics. Three genes within this set are essential for
viability in

other bacteria. Interfacing the set of essential gene products in
H.

influenzae with the distribution of homologs in other
microorganisms can

detect components of unrecognized cellular pathways essential in
diverse

bacteria. This genome-scale phenotypic anal. identifies potential
roles

for a large set of genes of unknown function.

*Knock
out*